

Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

Casals Ventilacion Air Industrial, S.L.U.

Ctra. Camprodon, s/n
17860 St. Joan de Les Abadesses (Girona) Spain

Produced at the manufacturing plant

Ctra. Camprodon, s/n
17860 St. Joan de Les Abadesses (Girona) Spain

Ctra. De Sant Joan, s/n
17500, Ripoll, (Girona) Spain

PRODUCT

Smoke and heat control systems. Ventilators

Product: HMF - HMFx F400

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard:

EN 12101-3:2015

Under **system 1** for the performance set out in this certificate are applied and the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-0912

Date issued: 19/12/2025

First issue date: 11/12/2009

Follow-up date: before 31/12/2026

The validity of this certificate remains in effect as long as the harmonised standard, the construction product, the AVCP methods, and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.

This document is not valid without its technical annex, whose number coincides with that of the certificate.



Xavier Ruiz Peña
Managing Director
Conformity Assessment

Applus⁺
certification

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08193 Bellaterra, Barcelona (Spain)



Check the status
of this certificate

Certificate

Technical Annex

Annex according to EN 12101-3:2015

Smoke and heat control systems. Part 3: specification for powered smoke and heat control ventilators (fans)

Certified performances

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Response delay - Opening under wind load within a given time; - Opening under snow load within a given time.	4.1.1	NA
		NA
Operational reliability - Application categories; - Motor rating.	4.2.2	<ul style="list-style-type: none"> • Thermally uninsulated • Direct feed or by converter • Dual purpose use • Placed inside and outside of the smoke reservoir • Horizontal direction of the motor shaft
		4.2.3
Effectiveness of smoke/hot gas extraction: - Gas flow and pressure maintenance during smoke and heat extraction test.	4.3.2	[-20, +50] % (Ps)
Resistance to fire	4.4	F ₄₀₀ (120)
Ability to open under environmental conditions - Opening under wind load within a given time; - Opening under snow load within a given time.	4.5	NA
		NA
Durability of operational reliability	4.6	NPD

PASS; NPD = No Performance Determined; NA = Not Applicable

Product

1.- Application:

- Extractor tested inside the furnace
- Extractor F400 (120)
- Dual use
- Horizontal direction of the motor shaft

2.- Characteristics:

- Motor: Tilman/NIDEC-Leroy Sommer:
 - Sizes from 56 to 80 with blades A5 (motor from 80 to 112)
 - Rated Frequency motor 50/60 Hz
 - Rated Voltage motor: 380/420 V
- Motor: WEG/NIDEC-Leroy Sommer:
 - Sizes from 90 to 125 with blades A3 (motor from 100 a 225)
 - Rated Frequency motor 50 Hz
 - Rated Voltage motor: 230/400 V
- 11 kW
- 4, 6, 4/8 poles

3.- Accessories:

- All models include its ATEX version ("X" ending")
- Mineral wool of 70 kg/m³ supplied by CLA
- Frequency converter reference "VFFS 1-4075PL" supplied by Toshiba
- Silencer reference "SCZ 900 900" supplied by CLA

The complete technical data of the certified range **HMF - HMF X F400** are detailed in the technical file and the range report nº 15/6663-564-1..